

PATENT ABSTRACTS OF JAPAN(11)Publication number : **09-176226**(43)Date of publication of application : **08.07.1997**

(51)Int.Cl.

C08F 4/658**C08F 10/02**(21)Application number : **07-330675**(71)Applicant : **SAMSUNG GENERAL CHEM CO LTD**(22)Date of filing : **19.12.1995**(72)Inventor : **VLADIMIR ALEKSANDROV
ZAKHAROV
SERGEJ IVANOVICH
MAVTARURIN
SERGEY ANDREEVICH SERGEEV
TATYANA BORISOVNA MIKENAS
VARENTIN EVGENIEVICH
NIKITIN****(54) PRODUCTION OF SUPPORTED CATALYST FOR POLYMERIZATION OF ETHYLENE AND FOR COPOLYMERIZATION OF ETHYLENE WITH ALPHA-OLEFIN**

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a polymer having a controlled narrow particle size distribution and a high bulk density by performing the (co)polymerization in the presence of a catalyst prepared by reacting a specified organomagnesium compound (A) with an organohalogen compound (B) under specified conditions.

SOLUTION: In producing a supported catalyst for the polymerization of ethylene or the copolymerization of ethylene with an α -olefin by reacting a solution of component A with component B to form a magnesium-containing support and treating this support with a titanium or vanadium compound, component A used is a compound having a composition represented by the formula: $\text{MgPh}_2/n\text{MgCl}_2/m\text{R}_2\text{O}$ (wherein (n) is 0.37-0.7; $m \geq 0.5$; R_2O is an ether; and Ph is a phenyl). This compound is obtained by reacting metallic magnesium with chlorobenzene in the presence of dibutyl ether. Component B is, for example, carbon tetrachloride. Component A is reacted with component B at a component B/Mg molar ratio of 0.5 or above at -20 to 80°C to obtain the objective supported catalyst.

LEGAL STATUS

[Date of request for examination]

19.12.1995

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

2759780**BEST AVAILABLE COPY**

[Date of registration]

20.03.1998

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office